LIST OF FIGURES

Fig. 1  Schematic representation of Helix-turn-helix motif
Fig. 2  Zn-finger structure - a schematic diagram
Fig. 3  HMG box containing proteins
Fig. 4  dsDNA cellulose chromatography of nuclear proteins
Fig. 4a  Biomed Scan of SDS-PAGE of 67 dsDBP
Fig. 5  SDS-PAGE of 67 dsDBP subjected to ssDNA cellulose chromatography
Fig. 6  Two-dimensional electrophoresis of total nuclear proteins and 67 dsDBP
Fig. 7  Nitrocellulose filter binding assay of 67 dsDBP
Fig. 8  Partial proteolysis of dsDBP from rat and cow brain
Fig. 9  2-DE of PEG pelletable protein (Cellular localization of 67 dsDBP
Fig. 10  SDS-PAGE of 67 dsDBP to show age dependent expression
Fig. 11  ssDNA-cellulose chromatography of nuclear proteins
Fig. 12  SDS-PAGE of total nuclear proteins and 56 ssDBP
Fig. 12a  Determination of molecular weight of 56 ssDBP
Fig. 13  2-DE of 56 ssDBP
Fig. 14  Absorption spectra of 56 ssDBP
Fig. 15  Intrinsic fluorescence spectrum of 56 ssDBP
Fig. 16  Fourth derivative spectrum of 56 ssDBP
Fig. 17  Circular Dichroic spectrum of ctDNA in the absence and presence of 56 ssDBP
Fig. 18  DNA-binding protein dot blot analysis using non-radioactively labelled DNA
Fig. 19  Gel retardation assay
Fig. 20  Effect of 56 ssDBP protein on T of ctDNA
Fig. 21 Western blot analysis - Tissue specific expression of 56 ssDBP

Fig. 22 Western blot analysis - Regional distribution of 56 ssDBP

Fig. 23 Western blot analysis - Developmental distribution of 56 ssDBP

Fig. 24 Cellular localization of 56 ssDBP by immunocyto-fluorescence

Fig. 25 Screening for 56 ssDBP in cancer cell lines

LIST OF TABLES

Table I Some eukaryotic DBPs already identified
Table II DNA Polymerase α and β assay
Table III Amino acid analysis report